

IN THE CLAIMS

1. (Currently Amended) An apparatus comprising:
a thermally conductive plate to be placed in contact with a heat generating device;
a fluid loop coupled to the plate to circulate fluid and have the fluid absorb heat from the plate, the fluid loop to thereafter pass the fluid to a heat exchanger, the fluid containing magnetic nanoparticles; and
a magnetic pump to circulate the fluid through the fluid loop.
2. (Currently Amended) The apparatus of claim 1, wherein the fluid loop is coupled to [[a]] the heat exchanger.
3. (Canceled)
4. (Canceled)
5. (Previously Presented) The apparatus of claim 1, wherein the magnetic pump is an electro-magnetic pump.
6. (Canceled)
7. (Original) The apparatus of claim 1, wherein the nanoparticles are selected from a group comprising of copper, iron, gold and ceramic.
8. (Canceled)

9. (Previously Presented) The apparatus of claim 1, wherein the fluid loop is a single phase fluid loop.
10. (Previously Presented) The apparatus of claim 1, wherein the fluid loop is a two phase fluid loop.
11. (Original) The apparatus of claim 1, wherein the fluid is deionized water.
12. (Previously Presented) The apparatus of claim 1, wherein the heat generating device is selected from a group comprising of a processor, a chipset, a graphics controller, and a memory controller.
13. (Currently Amended) A system comprising:
a heat generating device;
a thermally conductive plate in thermal contact with the heat generating device;
a fluid loop coupled to the plate to circulate fluid and have the fluid absorb heat from the plate, the fluid loop to thereafter pass the fluid to a heat exchanger, the fluid containing magnetic nanoparticles; and
a magnetic pump to circulate the fluid through the fluid loop.
14. (Currently Amended) The system of claim ~~[[12]]~~ 13, wherein the fluid loop is coupled to ~~[[a]]~~ the heat exchanger.

15. (Canceled)

16. (Canceled)

17. (Previously Presented) The system of claim 13, wherein the magnetic pump is an electro-magnetic pump.

18. (Canceled)

19. (Previously Presented) The system of claim 13, wherein the nanoparticles are selected from a group comprising of copper, iron, gold and ceramic.

20. (Canceled)

21. (Currently Amended) The system of claim [[12]] 13, wherein the fluid loop is a single phase fluid loop.

22. (Currently Amended) The system of claim [[12]] 13, wherein the fluid loop is a two phase fluid loop.

23. (Currently Amended) The ~~apparatus~~ system of claim [[12]] 13, wherein the fluid is deionized water.

24. (Currently Amended) The system of claim ~~[[12]]~~ 13, wherein the heat generating device is selected from a group comprising of a processor, a chipset, a graphics controller, and a memory controller.

25. (Currently Amended) An apparatus comprising:
a thermally conductive plate to be placed in contact with a heat generating device;
a fluid loop coupled to the plate to circulate the fluid and have the fluid absorb heat from the plate, the fluid loop to thereafter pass the fluid to a heat exchanger, the fluid containing magnetic nanoparticles; and
an electro-magnetic pump to circulate the fluid through the fluid loop.

26. (Original) The apparatus of claim 25, wherein the nanoparticles are selected from a group comprising of copper, iron, gold and ceramic.

27. (Canceled)

28. (Original) The apparatus of claim 25, wherein the heat generating device is selected from a group comprising of a processor, a chipset, a graphics controller, and a memory controller.